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New standards for sustainable building systems

All our new construction and refurbishment projects are to achieve sustainable design standards – following our own in house specification for new building design.

Our commitment

We're retaining and advancing further our existing leading national and international position as the sustainable university – by developing an innovative and cutting edge sustainable campus infrastructure. We have a continual process of campus development, involving refurbishment and maintenance.

We aim to:

- Achieve our own in house specification for sustainable design for new construction and for all refurbishment projects from 2019.
- Design out waste where possible and target zero waste to landfill for construction projects.
- Protect and enhance local biodiversity on site.
- Install – where possible – new design renewable technologies, including natural ventilation, solar shading, solar hot water, photovoltaics and rainwater harvesting.
- Install SMART meters on all new builds.

Buildings are the primary drivers of energy and emissions use at Harvard, making them an important target for innovative energy efficiency measures. They are also where Khazar's students, faculty, and staff live, work, and learn, emphasizing the need to consider the health and well-being of occupants in the design and construction of campus spaces.

Now Khazar is working on the latest version of its University-wide Green Building Standards aimed at tackling these challenges. The Standards, will apply to all capital projects across campus, provide a wide variety of requirements and recommendations that help Schools and departments achieve the University's sustainability Goal through the design and construction of sustainable building spaces. An associated Life Cycle Cost policy ensures that project teams evaluate and chose energy efficient technology that will provide environmental benefit in a cost-effective manner.

The updated Standards will include healthy material requirements for the disclosure of health and environmental impacts of products that are used on campus in order to help Khazar University assess opportunities to understand the community's exposure to potential toxins.

The Standards are developing together with University-wide review process led by the Sustainability and Energy Management Council (SEMC), An SEMC review committee will comprise of facility leaders and experts across Khazar focused on data-driven decision-making that was informed by best practices at the University and benchmarked against other industry leaders. Additional updates include a requirement for energy reduction targets, and revisions to Measurement and Verification standards that are used to assess the effectiveness and performance of energy and mechanical systems.

Updating the standards will include a large effort that required support and participation from many key stakeholders across the University. The thorough review and collaboration of the committee will help us to strike the proper balance between setting the bar where it will attainable and ensuring that we will continue to challenge ourselves to push the limits of what is possible,